Final Revision



Guide



الكمبيوتر و تكنولوجيا المعلومات والاتصالات



COMPUTER & INFORMATION AND COMMUNICATION TECHNOLOGY

1ST Prep. 2025
SECOND TERM





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الصــف الأول الإعــدادى
الفصل الدراسى الثانى
طبقًا لأحدث مواصفات الورقة الامتحانية ٢٠٢٤ – ٢٠٢٥
للمدارس الرسمية والخاصة لغات



Five Sample Tests

٥ اختبارات على المنهج بالكامل

Sample Test 1

1 Choose the correct answer from a, b, c or d.

1. .... is from artificial intelligence applications in our daily life.
   a. Personal assistant
   b. Smart shopping
   c. Smart cars
   d. All of them

2. In robot device .... is considered the senses of a robot just as eyes and ears.
   a. structure
   b. motors
   c. sensors
   d. controller

3. The Block "Go to Random Position" in Scratch program is used to................ .
   a. move sprite to specific position
   b. move the sprite in a random motion
   c. hide sprite
   d. delete sprite

4. .... is an understandable language and it use words similar to english.
   a. Python
   b. Java
   c. C#
   d. C+ +

5. .... is a function that is used to display text, values on screen.
   a. Type ( )
   b. Print ( )
   c. Editor
   d. Python shell

2 Complete the following sentences with the appropriate words in brackets.

(Signal Conversion – Software – sprites – Super AI – Save to your computer)

1. The most advanced artificial intelligence is ....
2. The second step of sensor device work is ....
3. .... is what makes a robot smart and determine how it responds to information.
4. To save your project in Scratch program select .... from file menu.
5. In Scratch program you can hide / show sprite from .... area.

3 Put (✓) in front of the correct sentence and (×) in front of the wrong one.

1. You can change the sprite movement direction by move command. ( )
2. Scratch program doesn't enhance collaboration skills or creative thinking. ( )
3. The controller is the brain of the robot, processing the data collected by sensors and issuing command to motors. ( )
4. The first step of the sensor device work is displaying the results. ( )
5. The artificial intelligence needs a huge amount of information. ( )

Sample Test 2

1 Choose the correct answer from a, b, c or d.

1. .... sensors device help cars to determine the distance to other cars.
   a. Sound b. Visible light c. Infrared d. Distance
2. To add a new sprite click on ....
   a. choose sprite b. Stage c. when clicked d. Motion
3. .... is a device that can be programmed to perform tasks automatically.
   a. Sensor b. Scratch c. Robot d. Python
4. Robot help in dangerous tasks like ....
   a. cleaning house b. transportation system
   c. agricultural watering
   d. heavy weights and hazardous chemicals
5. Applications of artificial intelligence in our daily life like ....
   a. smart shopping b. personal assistance
   c. Both (a , b) d. none of them

2 Complete the following sentences with the appropriate words in brackets.

(Choose a sprite – add or delete sprite – integer (int) – Super AI – picking up information)

1. In Python language X = 5 The variable X data type is ....
2. In Scratch program to add a new sprite click on .... from sprite area.
3. In Scratch program from sprite area you can ....
4. The main job of the sensor device is ....
5. The most advanced artificial intelligence is ....

3 Put (✓) in front of the correct sentence and (×) in front of the wrong one.

1. Sensors devices help robot to learn new languages. ( )
2. Software is the robot component which affect its weight and its ability to move. ( )
3. You can download Scratch program freely from its official website. ( )
4. In Scratch program you can change the sprite movement direction from move command. ( )
5. Python language is used to develop web and artificial intelligence application. ( )



Sample Test 3

1 Choose the correct answer from a, b, c or d.

1. In Python language variable data type which is used to store names and addresses is ....
   a. number   b. booleans   c. string   d. nothing
2. In Scratch program the area which is used to add sprite is ....
   a. stage   b. sprites   c. blocks   d. script
3. There are many types of robots like ....
   a. industrial   b. home   c. medical   d. all of them
4. The first step of the sensor device is ....
   a. sensing   b. converting   c. display results   d. nothing
5. There are many applications of the artificial intelligence in our daily life like ....
   a. personal assistant   b. smart cars   c. smart shopping   d. all of them

2 Complete the following sentences with the appropriate words in brackets.

(Educational program – sprites – Safety – Distance Sensors – machine language translator)

1. The sensor device type which used to avoid collisions ....
2. .... and employment are challenges facing robots technology.
3. Natural language processing is like .... as it understands human language.
4. .... is from Scratch program features.
5. From .... area sprites can be shown/ hidden.

3 Put (✓) in front of the correct sentence and (×) in front of the wrong one.

1. Robots and Machine learning are from Artificial intelligence field. (   )
2. Distance sensors are used to avoid surrounding obstacles and collisions. (   )
3. Python language is considered from the most difficult programming language. (   )
4. Robots doesn't need software in its work. (   )
5. The main job of sensors devices is picking up the environment changes and convert it to signals. (   )

Sample Test 4

1 Choose the correct answer from a, b, c or d.

1. The interactive Python interface is ....
   a. Booleans b. Editor c. Python Shell d. string
2. In Scratch program from sprites area you can ....
   a. add sprite b. change sprite name
   c. delete sprite d. all of them
3. From Scratch program features all the following except ....
   a. allow learning the complex code b. a learning program
   c. simple interface d. free program
4. The most advanced artificial intelligence is ....
   a. narrow b. super c. general d. none of them
5. The inferared sensors devices are used in ....
   a. remote controls b. non-contact thermometers
   c. both (a and b) d. none of them

2 Complete the following sentences with the appropriate words in brackets.

(print ( ) – structure – motors – Infrared Sensors – Sprites)

1. .... is considered the robot device muscles.
2. In Scratch program .... area is used to add and delete sprite.
3. In Python language .... function is used to display text and values on screen.
4. The main part of the robot which carry all its components is ....
5. .... is used to measure temperature without direct contact.

3 Put (✓) in front of the correct sentence and (✗) in front of the wrong one.

1. The data type for the variable (school) in school = “Salam” is text. ( )
2. Python language cannot be integrated with any programming language. ( )
3. You can delete a sprite of stage from sprite area. ( )
4. Scratch program is considered a difficult program to learn. ( )
5. The artificial intelligence is just only one type. ( )



Sample Test 5

1 Choose the correct answer from a, b, c or d.

1. .... is from artificial intelligence applications in our daily life.
   a. Smart games
   b. Digital Doctors
   c. Instant translator
   d. All the them

2. .... Sensor devices are used to pick up images and videos.
   a. Sound
   b. Touch
   c. Light
   d. Vision

3. Scratch program helps student in ....
   a. learning principles of programming
   b. develop collaboration skills
   c. both (a , b)
   d. none of them

4. Which of the following variables is a text type ....
   a. City = "Cairo"
   b. Y = 10
   c. X = 3.5
   d. is - student-success = True

5. Python language can be integrated with other language like ....
   a. C #
   b. C + +
   c. Java
   d. all of them

2 Complete the following sentences with the appropriate words in brackets.

(Develop web applications – software – print ( ) – Motors – Save to your computer)

1. The responsible robot part of moving its components is ....
2. .... is what make a robot smart and determine how it responds.
3. In Scratch program to save your project which you create it from file menu select ....
4. You can use Python language in ....
5. .... is a function used to display text and values on screen in Python language.

3 Put (✓) in front of the correct sentence and (×) in front of the wrong one.

1. In Python language text variables values are placed between single quotes ' ' or double " ". ( )
2. General artificial intelligence focuses in work on performing a specific task. ( )
3. Infrared sensors devices is used in remote controls. ( )
4. In Scratch program the symbol (icon) 🏳 is used to execute the project. ( )
5. Robot device pick up sounds using visible sensors. ( )